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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/684,655

10/14/2003

Bryan R. Keller

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07/03/2006

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EXAMINER

MAI, TRI M

ART UNIT

PAPER NUMBER

3727

DATE MAILED: 07/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/684,655

Applicant(s)

KELLER ET AL.

Examiner

Tri M. Mai

Art Unit

3727

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>12/22/03</u> . | 6) <input type="checkbox"/> Other: ____.  |

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1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the child's leg must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. Claims 1-32 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

There are no separate leg and shoulder straps, there is only one continuous strap as disclosed.

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1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, movement of one of the legs and shoulders cause increase tension in claim 1, the child's leg, the showing of a loop, all of the steps in claim 30 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. Claims 1-32 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-29 are incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The claims recite the strap to be slidable. However, there are no structures being recited to enable the functionality of the device. The omitted elements are: the two buckles and the vertical extending straps on the back wall.

Regarding claim 1, it is unclear how the movement of one of the legs or shoulder of the child to increase tension on the other. It seems that when the shoulder strap move downward will cause the strap to loosen at the leg end.

Regarding claim 1, there are no separate leg and shoulder straps; there is only one continuous strap as disclosed.

It is unclear how the strap as disclosed to restraint a leg as disclosed. Note the drawing objection above.

Regarding claim 4, portion 54 does not resemble a loop as claimed. It seems that the strap passes through two slits 52.

Regarding claim 11, "fact" is misspelled.

Regarding claim 21, the front aspect of the crotch support is not pivotally coupled to the frame as claimed. Furthermore, it is unclear where is the pivoting point for the crotch support at both the front and the rear.

Claim 25 is confusing. It seems the quick connect comprising the buckle.

3. Claims 1-5, 7-8, 10-14, 16-19, and 21-32 are rejected under 35 U.S.C. 102 (b) as being anticipated by Fowler et al. (6318608). Fowler teaches a crotch support 73 coupled to a frame an active restraint couple to the frame and an active restraint 104 couple to the frame. The active

restraint including a leg strap 102 and a shoulder strap 104. Furthermore, it is noted that when portion 154 is uncoupled as shown in Fig. 8, the strap as claimed are slidably coupled as claimed.

Regarding claim 12, when connected portion 110 is part of the front face providing the conduit as claimed.

Regarding claim 22, note that the two straps in Fowler are slidably movable through the two through holes 138.

Regarding claim 21, the crotch support in Fowler is pivotable since portion 72 is pivotally connected to portion 24.

Regarding claim 25, note the teaching in col. 5, ln. 18-21.

Regarding claim 4, note that portion 108 is part of the front wall through which there is a loop portion where the strap going through.

Regarding claims 5, and 32, the shoulder straps are at least mounted to a loop 130 via portion 132.

4. Claim 15 is rejected under 35 U.S.C. 103 (a) as being unpatentable over Fowler in view of Messey et al. (5626271). It would have been obvious for one of ordinary skill in the art to provide a backpack as taught by Messey, note portion 24, to hold other contents.

5. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Fowler in view of Syendsen et al. (5964470). It would have been obvious to one of ordinary skill in the art to provide the quick connects as taught by Syendsen, note portions 44, to enable one to disconnect the straps easily.

6. Claim 20 is rejected under 35 U.S.C. 103 (a) as being unpatentable over Fowler in view of either Hoaglan (5020709) or Bolton (3841543). It would have been obvious for one of

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ordinary skill in the art to provide a head pad support as taught by either Hoaglan or Bolton to provide added protection to the child.

7. Claim 6 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tri M. Mai whose telephone number is (571)272-4541. The examiner can normally be reached on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Newhouse can be reached on (571)272-4544. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tri M. Mai  
Primary Examiner  
Art Unit 3727

